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TI Photocatalytic finishing materials and method for finishing of surfaces of building materials using it
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SO Jpn. Kokai Tokkyo Koho, 5 pp.
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CLASS

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AB Gray-colored shirasu which is treated with chems. and heat to be whitened (whitened volcanic ash) is mixed with Jupiter (photocatalytic TiO2 coated with apatite) to give the title finishing material, having workability, etc. A mixture, comprising the said whitened volcanic ash 45-65, Ca(OH)2 15-35, plaster 20-35, white **cement** 5-15, vinylon chips (binder) 0.1-1, Jupiter 0.2-5, binder 0.01-1, and inorg. pigment 0.1-5%, which is kneaded with water is used for finishing to give surfaces with excellent appearance. Surfaces that are finished with such materials containing 0.2-5% Jupiter, per 40-65% whitened volcanic ash, show strong adsorption and photolysis of odor, toxic substances, toxic gases, etc.
ST volcanic ash titanium oxide plaster finishing photocatalysis; air purifn **photocatalyst** contg finishing material; deodorization **photocatalyst** contg finishing material; whitened shirasu photocatalytic titania finishing material
IT Construction materials
(finishing materials; whitened shirasu-based materials containing photocatalytic titania for finishing of building materials)

Jupiter – photocatalytic TiO_2 coated with apatite